

Datasheet for ABIN7561287  
**ABHD5 Protein (AA 1-351) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	ABHD5
Protein Characteristics:	AA 1-351
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABHD5 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Abhd5 Protein expressed in mammalian cells.
Sequence:	MKAMAAEEEEV DSADAGGGSG WLTGWLPTWC PTSTSHLKEA EEKMLKCVPC TYKKEPVRIS NGNRIWTLMF SHNISSKTPL VLLHGFGGGL GLWALNFEDL STDRPVYAFD LLGFGRSSRP RFDSDAEEVE NQFVESIEEW RCALRLDKMI LLGHNLGGFL AAAYSLKYPS RVSHLILVEP WGFPERPDLA DQERPIPVWI RALGAALTPF NPLAGLRIAG PFGLSLVQRL RPDFKRKYSS MFEDDTVTEY IYHCNVQTPS GETAFKNMTI PYGWAKRPML QRIGGLHPDI PVSVIFGARS CIDGNSGTSI QSLRPKSYVK TIALGAGHY VYADQPEEFN QKVKEICHTV D <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	ABHD5
Alternative Name:	Abhd5 ( <a href="#">ABHD5 Products</a> )
Background:	<p>1-acylglycerol-3-phosphate O-acyltransferase ABHD5 (EC 2.3.1.51) (Abhydrolase domain-containing protein 5) (Lipid droplet-binding protein CGI-58) (Protein CGI-58),FUNCTION: Coenzyme A-dependent lysophosphatidic acid acyltransferase that catalyzes the transfer of an acyl group on a lysophosphatidic acid (PubMed:19801371). Functions preferentially with 1-oleoyl-lysophosphatidic acid followed by 1-palmitoyl-lysophosphatidic acid, 1-stearoyl-lysophosphatidic acid and 1-arachidonoyl-lysophosphatidic acid as lipid acceptor (PubMed:19801371). Functions preferentially with arachidonoyl-CoA followed by oleoyl-CoA as acyl group donors (PubMed:19801371). Functions in phosphatidic acid biosynthesis (By similarity). May regulate the cellular storage of triacylglycerol through activation of the phospholipase PNPLA2 (PubMed:16679289). Involved in keratinocyte differentiation (By similarity). Regulates lipid droplet fusion (PubMed:26083785).</p> <p>{ECO:0000250 UniProtKB:Q8WTS1, ECO:0000269 PubMed:16679289, ECO:0000269 PubMed:19801371, ECO:0000269 PubMed:26083785}.</p>
Molecular Weight:	39.2 kDa

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## Target Details

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UniProt: [Q9DBL9](#)

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Pathways: [Lipid Metabolism](#)

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## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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